**AMENDMENTS TO THE CLAIMS:** 

1.-2. (Cancelled)

3. (Currently amended) The safety shut-off valve of claim 2 7, wherein said

detachable end portion includes a shoulder extending about an inner periphery adjacent said

region of reduced strength, said plurality of arm segments abutting said shoulder to initially

maintain said valve element in said open position, said at least partial detachment causing at least

one of said plurality of arm segments to disengage said shoulder to permit said biasing element

to displace said valve element toward said closed position.

4. (Original) The safety shut-off valve of claim 3, wherein said shoulder extends

entirely about said inner periphery to define an annular shoulder.

5. (Currently amended) The safety shut-off valve of claim 2 7, wherein said retainer

element includes at least three of said arm segments positioned uniformly about said inner

periphery.

6. (Original) The safety shut-off valve of claim 5, wherein said retainer element

includes four of said arm segments positioned uniformly about said inner periphery.

7. (Currently amended) The safety shut-off-valve of claim 2, wherein A safety shut-

off valve, comprising:

a valve housing;

a detachable end portion connected to said valve housing by a region of reduced strength;

a valve element disposed within said valve housing and being displaceable between an

open position that permits flow through the valve and a closed position that substantially

prevents flow through the valve;

a biasing element engaged with said valve element to urge said valve element toward said

closed position; and

a retainer element disposed within said valve housing and including a plurality of arm

segments engaged against said detachable end portion adjacent said region of reduced strength to

initially maintain said valve element in said open position; and

wherein imposition of a force onto said detachable end portion results in at least partial

detachment from said valve housing along said region of reduced strength, said at least partial

detachment causing at least one of said plurality of arm segments to disengage said detachable

end portion, said disengagement of said at least one of said plurality of arm segments from said

detachable end portion eauses causing deformation of said plurality of arm segments remaining

in engagement with said detachable end portion to permit said biasing element to displace said

valve element toward said closed position.

8. (Previously presented) A safety shut-off valve, comprising:

a valve housing;

a detachable end portion connected to said valve housing by a region of reduced strength;

a valve element disposed within said valve housing and being displaceable between an

open position that permits flow through the valve and a closed position that substantially

prevents flow through the valve;

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a biasing element engaged with said valve element to urge said valve element toward said

closed position; and

a retainer element disposed within said valve housing and engaged between said valve

element and said detachable end portion to initially maintain said valve element in said open

position; and

wherein imposition of a force onto said detachable end portion results in at least partial

detachment from said valve housing along said region of reduced strength, said at least partial

detachment causing at least a portion of said retainer element to disengage said detachable end

portion, and wherein said disengagement of said at least a portion of said retainer element from

said detachable end portion causes deformation of said retainer element to permit said biasing

element to displace said valve element toward said closed position.

9. (Original) The safety shut-off valve of claim 8, wherein said deformation

comprises buckling.

10. (Currently amended) The safety shut-off valve of claim  $\frac{2}{8}$ , wherein said at least

partial detachment of said detachable end portion results from said valve housing is caused by

fracturing along said region of reduced strength.

11. (Currently amended) The safety shut off valve of claim 2, A safety shut-off valve,

comprising:

a valve housing;

a detachable end portion connected to said valve housing by a region of reduced strength;

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a valve element disposed within said valve housing and being displaceable between an

open position that permits flow through the valve and a closed position that substantially

prevents flow through the valve;

a biasing element engaged with said valve element to urge said valve element toward said

closed position; and

a retainer element disposed within said valve housing and including a plurality of arm

segments engaged against said detachable end portion adjacent said region of reduced strength to

initially maintain said valve element in said open position; and

wherein said imposition of a force onto said detachable end portion results in complete

detachment from said valve housing along said region of reduced strength, said complete

detachment causing said retainer element to disengage said detachable end portion to allow

expulsion of said retainer element from said valve housing and permit said biasing element to

displace said valve element toward said closed position.

12. (Currently amended) The safety shut-off valve of claim 2 8, wherein said region

of reduced strength is formed by a groove extending about an outer periphery of said detachable

end portion.

13. (Currently amended) The safety shut-off valve of claim 2 8, wherein said region

of reduced strength is formed by a narrowed wall thickness.

14. (Currently amended) The safety shut-off valve of claim 2 8, wherein said retainer

element has a cup-like configuration.

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15. (Cancelled)

16. (Previously presented) A safety shut-off valve, comprising:

a valve housing including a passage defined by an inner periphery;

a detachable end portion connected to said valve housing by a region of reduced strength;

a valve element sized and shaped to be guidably displaced by said inner periphery along

said passage between an open position that permits flow through the valve and a closed position

that substantially prevents flow through the valve, said valve element comprising a spherical-

shaped ball;

a biasing element engaged with said valve element to urge said valve element toward said

closed position;

a retainer element engaged between said valve element and said detachable end portion to

initially maintain said valve element in said open position; and

wherein imposition of a force onto said detachable end portion results in at least partial

detachment from said valve housing along said region of reduced strength, said at least partial

detachment causing at least a portion of said retainer element to disengage said detachable end

portion to permit said biasing element to displace said valve element toward said closed position.

17. (Original) The safety shut-off valve of claim 16, wherein said inner periphery has

a substantially circular cross-section.

18. (Original) The safety shut-off valve of claim 17, wherein said substantially

circular cross section defines an inner diameter, said ball defining an outer diameter sized in

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close tolerance with said inner diameter.

19. (Currently amended) The safety shut-off valve of claim 23 16, wherein said

passage extends along an axis, said valve housing defining at least one lateral opening in

communication with said passage, said at least one lateral opening disposed between said valve

element and said detachable end portion when said valve element is in said open position to

permit flow between said passage and said at least one lateral opening.

20. (Currently amended) The safety shut-off valve of claim 23 16, wherein a portion

of the valve adjacent said region of reduced strength defines external threads engagable with a

corresponding threaded opening in a tank wall with said region of reduced strength positioned

adjacent an exterior surface of said tank wall.

21. (Original) The safety shut-off valve of claim 20, wherein said detachable end

portion comprises at least two flats to aid in threading the valve into said threaded opening in

said tank wall.

22. (Original) The safety shut-off valve of claim 21, wherein said detachable end

portion has a hexagonal configuration.

23. (Currently amended) A safety shut off valve, comprising:

a valve housing including a passage defined by an inner periphery;

a detachable end portion connected to said valve housing by a region of reduced strength;

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a valve element sized and shaped to be guidably displaced by said inner periphery along

said passage between an open position that permits flow through the valve and a closed position

that substantially prevents flow through the valve;

a biasing element engaged with said valve element to urge said valve element toward said

closed position;

a retainer element including a plurality of arm segments engaged against said detachable

end portion adjacent said region of reduced strength to initially maintain said valve element in

said open position; and

wherein imposition of a force onto said detachable end portion results in at least partial

detachment from said valve housing along said region of reduced strength, said at least partial

detachment causing at least one of said plurality of arm segments to disengage said detachable

end-portion to permit said biasing element to displace said valve element toward said closed

position The safety shut-off valve of claim 16, wherein said retainer element includes a plurality

of arm segments engaged against said detachable end portion adjacent said region of reduced

strength to initially maintain said valve element in said open position, said at least partial

detachment causing at least one of said plurality of arm segments to disengage said detachable

end portion to permit said biasing element to displace said valve element toward said closed

position.

24. (Original) The safety shut-off valve of claim 23, wherein said detachable end

portion includes a shoulder extending about an inner periphery thereof adjacent said region of

reduced strength, said plurality of arm segments abutting said shoulder to initially maintain said

valve element in said open position, said at least partial detachment causing at least one of said

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plurality of arm segments to disengage said shoulder to permit said biasing element to displace

said valve element toward said closed position.

25. (Previously presented) A safety shut-off valve, comprising:

a valve housing including an axial passage bound by an inner circumferential surface, and

an annular valve seat extending inwardly from said inner circumferential surface;

a detachable end portion connected to said valve housing by a region of reduced strength

and including an annular shoulder disposed adjacent said region of reduced strength;

a ball element sized in close tolerance with said inner circumferential surface and being

guidably displaceable along said axial passage between an open position remote from said valve

seat and a closed position abutting said valve seat;

a spring element engaged between said valve housing and said ball element to urge said

ball element toward said closed position; and

a retainer element including a plurality of arm segments, said retainer element being

disposed between said ball element and said detachable end portion with said plurality of arm

segments abutting said annular shoulder to initially maintain said ball element in said open

position; and

wherein imposition of a force onto said detachable end portion results in at least partial

detachment from said valve housing along said region of reduced strength, said at least partial

detachment causing at least one of said plurality of arm segments to disengage said annular

shoulder to permit said spring element to displace said ball element toward said closed position.

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Response to final Office Action Application Serial No. 10/074,341 26. (Original) The safety shut-off valve of claim 25, wherein said valve housing

includes at least one lateral opening in communication with said axial passage and positioned

between said ball element and said valve seat when said ball element is in said open position.

27. (Original) The safety shut-off valve of claim 25, wherein said retainer element

includes four of said arm segments positioned uniformly about said annular shoulder.

28. (Original) The safety shut-off valve of claim 25, wherein said disengagement of

said at least one of said plurality of arm segments from said annular shoulder causes deformation

of said plurality of arm segments remaining in engagement with said annular shoulder to permit

said spring element to displace said ball element toward said closed position.

29. (Original) The safety shut-off valve of claim 28, wherein said deformation

comprises buckling.

30. (Original) The safety shut-off valve of claim 25, wherein said imposition of force

onto said detachable end portion results in complete detachment from said valve housing along

said region of reduced strength, said complete detachment causing said retainer element to

disengage said detachable end portion to allow expulsion of said retainer element from said valve

housing and permit said biasing element to displace said valve element toward said closed

position.

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